

Naval Education and  
Training Command

NAVEDTRA 82971  
June 1993  
0503-LP-477-0600

Nonresident Training  
Course (NRTC)



# Naval Safety Supervisor

Only one answer sheet is included in the NRTC. Reproduce the required number of sheets you need or get answer sheets from your ESO or designated officer.

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Although the words “he,” “him,” and “his” are used sparingly in this manual to enhance communication, they are not intended to be gender driven nor to affront or discriminate against anyone reading this material.

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NAVAL EDUCATION AND TRAINING  
PROFESSIONAL DEVELOPMENT AND TECHNOLOGY CENTER  
6490 SAUFLEY FIELD ROAD  
PENSACOLA FL 32509-5237

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Specific Instructions and Errata for  
Nonresident Training Course

NAVAL SAFETY SUPERVISOR, NAVEDTRA 82971

1. This errata supersedes all previous erratas. No attempt has been made to issue corrections for errors in typing, punctuation, etc, that do not affect your ability to answer the question or questions.
2. To receive credit for deleted questions, show this errata to your local course administrator (ESO/scorer). The local course administrator is directed to correct the course and answer key by indicating the questions deleted.
3. Assignment Booklet, NAVEDTRA 82971

Delete the following questions and write "Deleted" across all four of the boxes for that question.

<u>Question #</u>	<u>Question #</u>	<u>Question #</u>
2-26	3-64	4-38
2-31	3-67	4-68
3-4	4-38	5-42
3-17	4-6	5-43
3-19	4-18	5-46
3-30	4-23	5-47
3-31	4-25	

# NAVAL SAFETY SUPERVISOR

## NAVEDTRA 82971

Prepared by the Naval Education and Training Program Management  
Support Activity, Pensacola, Florida

Congratulations! By enrolling in this course, you have demonstrated a desire to improve yourself and the Navy. Remember, however, this self-study course is only one part of the total Navy training program. Practical experience, schools, selected reading, and your desire to succeed are also necessary to successfully round out a fully meaningful training program. You have taken an important step in self-improvement. Keep up the good work.

### HOW TO COMPLETE THIS COURSE SUCCESSFULLY

**ERRATA:** If an errata comes with this course, make all indicated changes or corrections before you start any assignment. Do not change or correct the Training Manual (TRAMAN) or assignments in any other way.

**TEXTBOOK ASSIGNMENTS:** The TRAMAN for this course is *Naval Safety Supervisor*, NAVEDTRA 12971. The TRAMAN pages that you are to study are listed at the beginning of each assignment. Study these pages carefully before attempting to answer the questions in the course. Pay close attention to tables and illustrations because they contain information that will help you understand the text. Read the learning objectives provided at the beginning of each chapter or topic in the text and/or preceding each set of questions in the course. Learning objectives state what you should be able to do after studying the material. Answering the questions correctly helps you accomplish the objectives.

**BLACK DOT INFORMATION:** Black dots (●) may be used in the text and correspondence course to emphasize important or supplemental information and to highlight instructions for answering certain questions. Read these black dot entries carefully; they will help you answer the questions and understand the material.

**SELECTING YOUR ANSWERS:** After studying the TRAMAN, you should be ready to answer the questions in the assignment. Read each question carefully, then select the BEST answer. Be sure to select your answer from

the subject matter in the TRAMAN. You may refer freely to the TRAMAN and seek advice and information from others on problems that may arise in the course. However, the answers must be the result of your own work and decisions. You are prohibited from referring to or copying the answers of others and from giving answers to anyone else taking the same course. Failure to follow these rules can result in suspension from the course and disciplinary action.

**SUBMITTING COMPLETED ANSWER SHEETS :** Complete all assignments as quickly as possible to derive maximum benefit from the course. As a minimum, you must submit at least one assignment per month. This is a requirement established by the Chief of Naval Education and Training. Failure to meet this requirement could result in disenrollment from the course.

**TYPES OF ANSWER SHEETS:** If you are a U.S. Navy enlisted member on active duty or a drilling U.S. Naval Reserve enlisted member, you should use the answer sheet attached at the end of this course and follow the instructions in section A below. If you are an enlisted U.S. Naval Reserve member who is not attached to a drilling unit or if you are an officer, a civilian, or a member of the U.S. Army, Air Force, Marine Corps, or Coast Guard, you should use the Automatic Data Processing (ADP) answer sheets included in the course package and follow the instructions in section B.

#### A. Manually Scored Answer Sheets

If you are a U.S. Navy enlisted member on active duty or attached to a U.S. Naval Reserve drilling unit, your course will be administered by your local command. You must use the answer sheet designed for manual scoring, NETPMSA form 1430/5, Stock Ordering Number 0502-LP-216-0100. You may get a supply of the forms from your Educational Services Officer (ESO), or you may reproduce the one in the back of this course booklet. DO NOT USE THIS FORM FOR COURSES ADMINISTERED BY NETPMSA.

Recording Information on the Manually Scored Answer Sheets: As you complete each assignment, submit the completed answer sheet to your ESO for grading. You may submit more than one answer sheet at a time. Remember, you must submit at least one assignment each month.

Grading: Your ESO will grade each answer sheet and notify you of any incorrect answers. The passing score for each assignment is 3.2. If you receive less than 3.2 on any assignment, the ESO will list the questions you answered incorrectly and give you an answer sheet marked "RESUBMIT." You must redo the assignment and complete the RESUBMIT answer sheet. The maximum score you can receive for a resubmitted assignment is 3.2.

Course Completion: After you have submitted all the answer sheets and have earned at least 3.2 on each assignment, your command should give you credit for this course by making the appropriate entry in your service record.

Student Questions: If you have questions concerning the administration of this course, consult your ESO.

## B. ADP Answer Sheets

If you are an enlisted U.S. Naval Reserve member who is not attached to a drilling reserve unit or if you are an officer, a civilian, or a member of the U.S. Army, Air Force, Marine Corps, or Coast Guard, use the ADP answer sheets provided in your course package. You should use one blank original ADP answer sheet for each assignment. Use only the original ADP answer sheet provided in your course package; NETPMSA will not accept reproductions.

Recording Information on the ADP Answer Sheets: Follow the "MARKING INSTRUCTIONS" on each answer sheet. Be sure that blocks 1, 2, and 3 are filled in correctly. This information is necessary for your course to be properly processed and for you to receive credit for your work.

As You work the course, be sure to mark your answers in the course booklet because your answer sheets will not be returned to you. When you have completed an assignment, transfer your answer from the course booklet to the answer sheet.

Mailing the Completed ADP Answer Sheets: Upon completing an assignment, mail the completed answer sheet to:

COMMANDING OFFICER  
NETPMSA CODE 074  
6490 SAUFLEY FIELD RD  
PENSACOLA FL 32559-5000

Use envelopes to mail your answer sheets. You must provide your own envelopes or request them from your ESO. You may enclose more than one answer sheet in a single envelope. Remember, regardless of how many answer sheets you submit at a time, NETPMSA should receive at least one assignment a month.

NOTE: DO NOT USE THE COURSE COMMENTS PAGE AS AN ENVELOPE FOR RETURNING ANSWER SHEETS OR OTHER COURSE MATERIALS.

Grading: NETPMSA will grade the answer sheets and notify you by letter concerning your grade for each assignment, your incorrect answers, and your final grade. The passing score for each each assignment is 3.2. If you receive less than 3.2 on any assignment, you must rework the assignment. NETPMSA will enclose a new ADP answer sheet in the letter notifying you of the questions you answered incorrectly. You will be required to redo the assignment and resubmit the new answer sheet. The maximum score you can receive for a resubmitted assignment is 3.2.

Course Completion: When you complete the last assignment, fill out the "Course Completion" form in the back of the course and enclose it with your last answer sheet. NETPMSA will issue you a letter certifying that you satisfactorily completed

the course. You should make sure that credit for the course is recorded in your service record. YOU MAY RETAIN THE TEXT.

NOTE: YOUR OFFICIAL COURSE COMPLETION DATE WILL BE THE DATE YOUR LAST ASSIGNMENT IS PROCESSED THROUGH THE NETPMSA ADP SYSTEM--NOT THE DATE YOU DEPOSIT THE LAST ASSIGNMENT IN THE MAIL. This is especially important if you are taking the course for Naval Reserve retirement credit. You must mail your answer sheets at least 60 days before your anniversary date. This will provide you with enough time for delays in the mail or reworking failed assignments. DO NOT MAIL YOUR ASSIGNMENTS TO THE NAVAL RESERVE PERSONNEL COMMAND (NRPC).

Student Questions: Refer questions concerning this course to NETPMSA by mail (use the address on page ii) or by telephone: DSN 922-1366 or commercial (904) 452-1366.

## NAVAL RESERVE RETIREMENT CREDIT

If you are a member of the Naval Reserve, you will receive retirement points if you are authorized to receive them under current directives governing retirement of Naval Reserve personnel. For the purpose of Naval Reserve retirement, this edition of the course is evaluated at 8 points. These points will be credited to you upon your satisfactory completion of the entire course.

NOTE: YOUR OFFICIAL COURSE COMPLETION DATE WILL BE THE DATE YOUR LAST ASSIGNMENT IS PROCESSED THROUGH THE NETPMSA ADP SYSTEM--NOT THE DATE YOU DEPOSIT THE LAST ASSIGNMENT IN THE MAIL. Refer to the Course Completion paragraph under section B. ADP Answer Sheets.

## COURSE OBJECTIVES

This course provides information about the history and role of the Department of the Navy safety Program; safety program promotion and attitudes; mishap causes, prevention, and hazard abatement; mishap investigation fundamentals; Navy Occupational Safety and Health Program fundamentals; shore safety; afloat safety; naval aviation safety; explosives safety; traffic safety; and recreation, athletics, and home safety.

Naval courses may include several types of questions—multiple-choice, true-false, matching, etc. The questions are not grouped by type but by subject matter. They are presented in the same general sequence as the textbook material upon which they are based. This presentation is designed to preserve continuity of thought, permitting step-by-step development of ideas. Not all courses use all of the types of questions available. The student can readily identify the type of each question, and the action required, by inspection of the samples given below.

### MULTIPLE-CHOICE QUESTIONS

Each question contains several alternatives, one of which provides the best answer to the question. Select the best alternative, and blacken the appropriate box on the answer sheet.

#### SAMPLE

s-1. Who was the first person appointed Secretary of Defense under the National Security Act of 1947?

1. George Marshall
2. James Forrestal
3. Chester Nimitz
4. William Halsey

Indicate in this way on the answer sheet:

	1 T	2 F	3	4	
s-1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	---

### TRUE-FALSE QUESTIONS

Mark each statement true or false as indicated below. If any part of the statement is false the statement is to be considered false. Make the decision, and blacken the appropriate box on the answer sheet.

#### SAMPLE

s-2. All naval officers are authorized to correspond officially with any systems command of the Department of the Navy without their respective commanding officer's endorsement.

1. True
2. False

Indicate in this way on the answer sheet:

	1 T	2 F	3	4	
s-2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	---

### MATCHING QUESTIONS

Each set of questions consists of two columns, each listing words, phrases or sentences. The task is to select the item in column B which is the best match for the item in column A that is being considered. Items in column B maybe used once, more than once, or not at all. Specific instructions are given with each set of questions. Select the numbers identifying the answers and blacken the appropriate boxes on the answer sheet.

#### SAMPLE

In questions s-3 through s-6, match the name of the shipboard officer in column A by selecting from column B the name of the department in which the officer functions. Some responses maybe used once, more than once, or not at all.

#### A. OFFICER

#### B. DEPARTMENT

- |                               |                           |
|-------------------------------|---------------------------|
| s-3. Damage Control Assistant | 1. Operations Department  |
| s-4. CIC Officer              | 2. Engineering Department |
| s-5. Disbursing Officer       | 3. Supply Department      |
| s-6. Communications Officer   |                           |

Indicate in this way on the answer sheet:

	1 T	2 F	3	4	
s-3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	---
s-4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	---
s-5	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	---
s-6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	---

## ASSIGNMENT 1

Textbook Assignment: "Development of the Navy Safety Program," chapter 1, pages 1-1 through 1-18, and "Safety Program Promotion and Attitudes." chapter 2, pages 2-1 through 2-9.

- 
- |   |   |
|---|---|
| 1-1 . The Navy is obligated to provide you with a safe and healthy work environment according to which of the following regulatory measures?<br><br>1. Occupational standards<br>2. Naval standards<br>3. Tradition<br>4. Law                                   | 1-6 . What person is designated as the safety and occupational health official for the Department of the Navy ?<br><br>1. Chief of Naval Education and Training<br>2. Chief of Naval Operations<br>3. Assistant Secretary of the Navy<br>4. Secretary of the Navy |
| 1-2. The occupational health element of the Navy Safety Program is conducted by which of the following individuals or activities?<br><br>1. CNO<br>2. CNET<br>3. BUMED<br>4. COMNAVSAFECEN  | 1-7. SECNAVINST 5100.10G delegates the authority for the operational aspects of the NAVOSH Program to which of the following individuals or activities?<br><br>1. CNO<br>2. CNET<br>3. BUMED<br>4. COMNAVSAFECEN  |
| 1-3. Enlisted personnel on shore duty were included in safety programs beginning in what year?<br><br>1. 1929<br>2. 1939<br>3. 1949<br>4. 1959  | 1-8. What document serves as the basis for the NAVOSH Program?<br><br>1. OPNAVINST 3120.32C<br>2. OPNAVINST 5100.19B<br>3. OPNAVINST 5100.23C<br>4. SECNAVINST 5100.10G   |
| 1-4. The Occupational Safety and Health Act (OSHA) became law in what year?<br><br>1. 1940<br>2. 1950<br>3. 1960<br>4. 1970   | 1-9. Which of the following OPNAV instruction numbers is that of the <i>Program Program Manual for Forces Afloat</i><br><br>1. 3750.6Q<br>2. 5100.19B<br>3. 5100.23C<br>4. 5102.1C  |
| 1-5. The guidance needed to carry out the basic safety and health program elements specified in 29 CFR is provided in which of the following instructions?<br><br>1. DODINST 6055.1<br>2. OPNAVINST 5100.19B<br>3. OPNAVINST 5100.23C<br>4. SECNAVINST 5100.10G | 1-10. Freedom from danger, risk, or injury defines which of the following words?<br><br>1. Peril<br>2. Hazard<br>3. Safety<br>4. Severity   |



- 1-11. We measure a hazard according to which of the following elements involved in the occurrence of a mishap?
1. Risk
  2. Peril
  3. Lost days
  4. Severity and probability
- 1-12. Most mishaps are preventable.
1. True
  2. False
- 1-13. What is the most frequent cause of Navy mishaps?
1. Equipment malfunction
  2. Human error
  3. Weather
  4. Fate
- 1-14. Where is the NAVSAFECEN located?
1. Pensacola, Florida
  2. Pittsburgh, Pennsylvania
  3. Columbus, Ohio
  4. Norfolk, Virginia
- 1-15. The NAVSAFECEN conducts safety surveys of the naval operating forces and shore establishments upon the request of which of the following individuals?
1. Type commander
  2. Unit safety officer
  3. Unit medical officer
  4. Chief of Naval Operations
- 1-16. The NAVSAFECEN performs which of the following functions?
1. Promotes interest in mishap prevention through hazard awareness
  2. Develops and administers safety awards programs
  3. Provides membership on review boards and advisory councils
  4. All of the above
- 1-17. The Individual Flight Activity Reporting System (IFARS) is managed by which of the following activities?
1. Bureau of Medicine
  2. Naval Safety Center
  3. Naval Sea Systems Command
  4. Naval Air Systems Command
- 1-18. Unless otherwise directed, NAVSAFECEN is NOT responsible for safety in which of the following areas?
1. Afloat operations
  2. Ashore operations
  3. Nuclear propulsion
  4. Ordnance handling
- 1-19. The NAVSAFECEN receives and analyzes all mishap and injury reports submitted by which of the following commands?
1. Aviation and ship commands only
  2. Submarine and shore commands only
  3. Aviation and shore commands only
  4. Aviation, ship, submarine, and shore commands
- 1-20. In addition to being entered into NAVSAFECEN's data bank, the results of a NAVSAFECEN safety survey are given to what person?
1. Type commander of the unit involved
  2. Chief of Naval Education and Training
  3. Commanding officer of the unit involved
  4. Chief of Naval Operations
- 1-21. Approach, the Naval Aviation Safety Review, is published at least how often?
1. Daily
  2. Weekly
  3. Monthly
  4. Quarterly

- 1-22. Articles, commentaries, and short features about mishap prevention, as well as articles about flight operations, are found in which of the following publications?
1. *Flash*
  2. *Fathom*
  3. *Approach*
  4. *Combat Systems and Weapons Department Management*
- 1-23. What safety periodical presents the most accurate information available on surface ship and submarine mishap prevention?
1. *Flash*
  2. *Fathom*
  3. *Approach*
  4. *Safetyline*
- 1-24. *Safetyline* is published a maximum of how many times each year?
1. One
  2. Two
  3. Six
  4. Eight
- 1-25. You can find a summary of research from selected reports of submarine hazards in which of the following publications?
1. *Flash*
  2. *Fathom*
  3. *Approach*
  4. *Safetyline*
- 1-26. The proper chain of command and responsibilities for the NAVOSH program are contained in which of the following instructions?
1. OPNAVINST 5354.1C
  2. OPNAVINST 5100.8G
  3. OPNAVINST 5100.23C
  4. OPNAVINST 5430.1A
- 1-27. Safety matters within a unit are the ultimate responsibility of which of the following individuals?
1. Work center supervisor
  2. Commanding officer
  3. Executive officer
  4. Safety officer
- 1-28. The commanding officer appoints which of the following individuals to help carry out day-to-day safety-related matters?
1. Safety officer
  2. Medical officer
  3. Engineer officer
  4. Executive officer
- 1-29. Afloat, the safety organization extends from the commanding officer down to which of the following levels?
1. Top management only
  2. The most junior sailor
  3. Middle management only
  4. First-line supervisors only
- 1-30. Safety petty officers assigned to assist the safety officer must be in which of the following paygrades?
1. E-5 and above
  2. E-4 and below
  3. E-3 only
  4. E-7, E-8, and E-9 only
- 1-31. Who normally serves as the recorder for the Safety Council?
1. Commanding officer
  2. Executive officer
  3. Engineer officer
  4. Safety officer
- 1-32. The division safety petty officer is appointed by what person?
1. Commanding officer
  2. Executive officer
  3. Department head
  4. Division officer
- 1-33. The Safety Program Afloat course, J-493-2099, must be attended by at least what percentage of the ship's safety petty officers?
1. 10%
  2. 20%
  3. 30%
  4. 50%

- 1-34. To develop recommendations for policy in safety matters and to analyze the progress of the overall safety program, the ship's Safety Council convenes how often?
1. Quarterly
  2. Monthly
  3. Weekly
  4. Daily
- 1-35. Ships with less than 300 crew members may incorporate the Enlisted Safety Committee into the Safety Council.
1. True
  2. False
- 1-36. What is the primary goal of any safety program?
1. To place safety violators on report
  2. To enhance operational readiness
  3. To eliminate all accidents
  4. To predict all accidents
- 1-37. The Federal Advisory Council on Occupational Safety and Health (FACOSH) acts in an advisory capacity to which of the following personnel?
1. Secretary of Labor
  2. Chief of Naval Education and Training
  3. Secretary of Defense
  4. The Vice President of the United States
- 1-38. Which of the following personnel would normally be assigned as the aeromedical safety officer?
1. Flight surgeon
  2. Aviation officer
  3. Air operations officer
  4. Physical fitness coordinator
- 1-39. The Enlisted Aviation Safety Committee meets at least how often?
1. Once a month
  2. Twice a month
  3. Three times a year
  4. Four" times a year
- 1-40. You can find onboard training materials as well as lists of training aids and formal safety courses for most required training in which of the following publications?
1. NAVEDTRA 10238-A
  2. NAVEDTRA 10293
  3. NAVEDTRA 113-A
  4. NAVEDTRA 10074
- 1-41. Safety training is accomplished by which of the following means?
1. On-the-job training and general military training
  2. Indoctrination training and formal safety courses
  3. Safety standdowns and safety surveys
  4. All of the above
- 1-42. Indoctrination training on the command's overall NAVOSH Program is required by which of the following instructions?
1. OPNAVINST 5100.23C
  2. OPNAVINST 5100.19B
  3. Both 1 and 2 above
  4. OPNAVINST 1500.71
- 1-43. Which of the following publications contains NAVOSH lesson guides?
1. NAVEDTRA 10074
  2. NAVEDTRA 12061
  3. NAVEDTRA 12971
  4. NAVEDTRA 12964
- 1-44 . What is the best time of the day to conduct training?
1. Early in the day
  2. After sundown
  3. Just before liberty call
  4. After lunch
- 1-45. A person who is cold, hot, hungry, or tired has what type of need?
1. Psychological
  2. Physiological
  3. Social
  4. Ego

- 1-46. All people want to have a feeling of belonging. This is an example of what type of need?
1. Psychological
  2. Physiological
  3. Social
  4. Ego
- 1-47. Which of the following needs is associated with a person's need to feel useful and respected?
1. Social
  2. Ego
  3. Physiological
  4. Psychological
- 1-48. An effective instructor will observe which of the following guidelines?
1. Always accept a person's answer
  2. Talk to the entire group, not just to the front row
  3. Watch your mannerisms
  4. All of the above
- 1-49. A command uses which of the following approaches to "market" its safety program?
1. Safety legislation
  2. Mandatory training
  3. Promotional efforts
  4. Behavior modification
- 1-50. We can always rely on common sense to prevent mishaps.
1. True
  2. False
- 1-51. You can develop a safety attitude in your workers through which of the following practices?
1. Enforcing all safety regulations
  2. Training your people in safe workmanship
  3. Convincing them of the command's sincere interest in safety
  4. All of the above
- 1-52. Good risk taking can be considered a precaution against mishaps. A good risk taker exhibits the ability to make which of the following responses to a risk?
1. Overcome it
  2. Totally avoid it
  3. Explain it to a superior and help decide what action to take
  4. Recognize the levels involved and decide whether taking it is worthwhile
- 1-53. To encourage workers to report hazards, you should take which of the following steps?
1. Make workers feel comfortable and assure them of their anonymity in reporting hazards
  2. Discipline workers for failing to report hazards
  3. Award workers for reporting hazards
  4. Coerce or threaten workers
- 1-54. Some people have a desire for recognition and status. Which of the following incentives serves as an appropriate motivator for such people?
1. Material gain
  2. Self-preservation
  3. Personal comfort
  4. Praise and acceptance
- 1-55. After a worker safely completes a job that is hazardous, which, if any, of the following awards would be appropriate?
1. A sincere "attaboy"
  2. A letter of appreciation at the next award ceremony
  3. A week's leave
  4. None of the above
- 1-56. Job motivation is achieved by which of the following means?
1. Recognition
  2. Increased responsibility
  3. Opportunity for achievement
  4. All of the above

- 1-57. Which of the following methods will reduce the need for disciplinary corrective actions?
1. Threats and reprimands
  2. Close supervision
  3. Meaningful mishap prevention orientation
  4. Assignment of extra duty

- 1-58. To be a good salesman, you must have the ability to
1. sell
  2. manage
  3. advertise
  4. identify with the customers

- 1-59. What are the three steps involved in selling your safety program?
1. Preparation, presentation, and commitment
  2. Preparation, advertising, and selling
  3. Preparation, presentation, and selling
  4. Advertising, presentation, and commitment

- |   |
|---|
| <p>A. Safety posters and stickers</p> <p>B. Promotional stunts</p> <p>C. Safety suggestions</p> <p>D. Safety contests</p> |
|---|

Figure 1-A.-Safety Promotion Methods.

COMMANDS DEVELOP ADVERTISING CAMPAIGNS TO PROMOTE SAFETY. SELECT THE PROMOTION METHOD IN FIGURE 1-A DESCRIBED BY THE STATEMENTS GIVEN FOR QUESTIONS 1-60 THROUGH 1-64. RESPONSES MAY BE USED ONCE, MORE THAN ONCE, OR NOT AT ALL.

- 1-60. A passive training method used to remind workers of hazards.
1. A
  2. B
  3. C
  4. D

- 1-61. Prizes awarded for the best command safety slogan, safety essay, or safety posters.
1. A
  2. B
  3. C
  4. D

- 1-62. Display of a wrecked vehicle near a naval base gate during the holiday season.
1. A
  2. B
  3. C
  4. D

- 1-63. A safety recommendation that could result in monetary rewards.
1. A
  2. B
  3. C
  4. D

- 1-64. Use of both pictures and words to convey a safety message.
1. A
  2. B
  3. C
  4. D

- 1-65. Who should take the lead in organizing OSH setting OSH policy, and assigning OSH accountability?
1. All hands
  2. Top management
  3. Middle management
  4. First-line supervisors

## ASSIGNMENT 2

Testbook Assignment: "Mishap Causes, Prevention, and Hazard Abatement," chapter 3, pages 3-1 through 3-17, and "Mishap Investigation Fundamentals," chapter 4, pages 4-1 through 4-17.

- 
- |   |   |
|---|---|
| <p>2-1. What is the primary purpose of a mishap investigation?</p> <ol style="list-style-type: none"><li>1. To determine culpability</li><li>2. To determine replacement cost</li><li>3. To determine the effects on operational readiness</li><li>4. To determine the causes and prevent recurrences</li></ol>                                   | <p>2-6. What technology deals with workplace designs that minimize body stress and maximize production?</p> <ol style="list-style-type: none"><li>1. Economics</li><li>2. Ergonomics</li><li>3. Aerodynamics</li><li>4. Biosystematics</li></ol>  |
| <p>2-2. An unplanned event that interrupts work and causes damage or injury describes which of the following terms?</p> <ol style="list-style-type: none"><li>1. Mishap</li><li>2. Mistake</li><li>3. Misconduct</li><li>4. Mismanagement</li></ol>   | <p>2-7. If a mishap occurs because of a person's faulty depth perception, you should report which of the following cause factors for the incident?</p> <ol style="list-style-type: none"><li>1. Alcohol</li><li>2. Environment</li><li>3. Physical impairment</li><li>4. Temporary physical illness</li></ol> |
| <p>2-3. As a supervisor, you need to understand why mishaps occur for which of the following reasons?</p> <ol style="list-style-type: none"><li>1. To conduct financial planning</li><li>2. To anticipate a mishap occurrence</li><li>3. To understand your job description</li><li>4. To better equip you to prevent mishap occurrence</li></ol> | <p>2-8. The most common form of polydrug abuse is a mixture of which of the following drugs?</p> <ol style="list-style-type: none"><li>1. Amphetamines and barbiturates</li><li>2. Amphetamines and aspirin</li><li>3. Cocaine and marijuana</li><li>4. Alcohol and any drug</li></ol>                        |
| <p>2-4. Anything contributing to a mishap can be referred to as a/an</p> <ol style="list-style-type: none"><li>1. safety program deficiency</li><li>2. operating error</li><li>3. mishap cause</li><li>4. mishap</li></ol>  | <p>2-9. Experience has shown that when people tackle new tasks, mishaps occur for which of the following reasons?</p> <ol style="list-style-type: none"><li>1. Lack of patience</li><li>2. Lack of initiative</li><li>3. Lack of training</li><li>4. Lack of self-confidence</li></ol>                        |
| <p>2-5. According to studies, what minimum percentage of mishaps are caused by the person involved in the mishap?</p> <ol style="list-style-type: none"><li>1. 80%</li><li>2. 20%</li><li>3. 50%</li><li>4. 40%</li></ol>   | <p>2-10. Supervisors sometimes contribute to mishaps because they have a lack in which of the following areas?</p> <ol style="list-style-type: none"><li>1. Knowledge of the capabilities of their personnel</li><li>2. Materials</li><li>3. Funds</li><li>4. Time</li></ol>                                  |

2-11. To counterbalance the lack of understanding on a new job, an inexperienced person should be provided with

1. training
2. close supervision
3. knowledge
4. basic skills

- |   |
|---|
| <p>A. Administrative and supervisory factors</p> <p>B. Environmental factors</p> <p>C. Maintenance and support factors</p> <p>D. Material failure factors</p> |
|---|

Figure 2-A.-Mishap Cause Factors.

TO ANSWER QUESTIONS 2-12 THROUGH 2-16, SELECT THE CAUSE FACTOR IN FIGURE 2-A RESPONSIBLE FOR THE MISHAP DESCRIBED AS THE QUESTION. RESPONSES MAY BE USED ONCE, MORE THAN ONCE, OR NOT AT ALL.

2-12. A mishap caused by premature equipment failure resulting from improper installation.

1. A
2. B
3. C
4. D

2-13. A mishap resulting from failure to require personnel to meet personnel qualification standards.

1. A
2. B
3. C
4. D

2-14. A mishap caused by metal fatigue failure.

1. A
2. B
3. C
4. D

2-15. A mishap resulting from lack of quality assurance (QA).

1. A
2. B
3. C
4. D

2-16. A mishap resulting from the accidental use of incorrect procedures.

1. A
2. B
3. C
4. D

2-17. The process used to eliminate mishap-producing causes before a mishap occurs is called mishap

1. determination
2. correction
3. prevention
4. detection

2-18. Which of the following methods is preferred for controlling the impact of hazards?

1. Identifying existing hazards
2. Eliminating existing hazards
3. Preventing the hazard at the design stage
4. Reducing the impact of hazards that cannot be eliminated

2-19. What program is used to maintain equipment and material and prevent them from becoming operational hazards?

1. QA
2. PMS
3. MDS
4. PARs

- A. Substitution
- B. Engineering controls
- C. Administrative controls
- D. Use of personal protective equipment

Figure 2-B.—Hazard Control Methods.

WHEN PREVENTING HAZARDS IS IMPOSSIBLE, HAZARD CONTROL METHODS ARE USED TO CONTROL HAZARD POSSIBILITIES. TO ANSWER QUESTIONS 2-20 TO 2-24, SELECT THE METHOD IN FIGURE 2-B THAT MATCHES THE DESCRIPTION USED AS THE QUESTION. RESPONSES MAY BE USED ONCE, MORE THAN ONCE, OR NOT AT ALL.

2-20. A barrier used to physically separate people from contact with hazards.

- 1. A
- 2. B
- 3. C
- 4. D

2-21. Replacing an existing piece of equipment with a similar item having a lower hazard potential.

- 1. A
- 2. B
- 3. C
- 4. D

2-22. Using special operating procedures to reduce exposure of personnel to hazards.

- 1. A
- 2. B
- 3. C
- 4. D

2-23. Using chemical gloves, safety goggles, and so forth, when working with acids.

- 1. A
- 2. B
- 3. C
- 4. D

2-24. Using local exhaust ventilation to prevent airborne contaminants from passing through the worker's breathing zone.

- 1. A
- 2. B
- 3. C
- 4. D

2-25. An alleged imminent danger situation hazard report is received. An investigation should be conducted within what minimum amount of time?

- 1. 24 hours
- 2. 36 hours
- 3. 48 hours
- 4. 72 hours

2-26. Hazard report responses from a shore OSH officer or an afloat safety officer should be provided to the originator within a minimum of how many days?

- 1. 10 calendar days
- 2. 10 working days
- 3. 30 calendar days
- 4. 30 working days

2-27. When not satisfied with the response to a hazard report, military personnel can appeal through the chain of command to which of the following persons?

- 1. Chief of Naval Operations
- 2. Secretary of Labor
- 3. Deputy Assistant Secretary of Defense
- 4. Secretary of Health

2-28. A safetygram is used to report a hazard within a particular ship.

- 1. True
- 2. False

2-29. What code expresses the risk that combines the elements of hazard severity and mishap probability?

- 1. Risk category code
- 2. Risk assessment code
- 3. Mishap category code
- 4. Mishap classification



- 2-30. A hazard that could cause death is assigned what hazard severity category?
1. I
  2. II
  3. III
  4. IV
- 2-31. What subcategory of mishap probability is assigned to a mishap that could eventually occur?
1. A
  2. B
  3. C
  4. D
- 2-32. What RAC is assigned to a hazard that is immediately likely to cause a mishap and could result in death?
1. 1
  2. 2
  3. 3
  4. 4
- 2-33. Which of the following documents contains the Hazard Abatement Plan for forces afloat?
1. PMS
  2. PQS
  3. SORM
  4. CSMP
- 2-34. Afloat, the interim control for a RAC 1 or 2 hazard must be approved by what person?
1. Commanding officer
  2. Executive officer
  3. Safety officer
  4. Supply officer
- 2-35. Which of the following elements improve(s) hazard awareness in personnel?
1. Experience
  2. Education
  3. Training
  4. All of the above
- 2-36. Mishap prevention depends on which of the following elements?
1. Hazard elimination
  2. Hazard anticipation
  3. Hazard manipulation
  4. Hazard administration
- 2-37. Which of the following persons is/are responsible for mishap investigation?
1. Commanding officer only
  2. Division officer only
  3. Leading petty officer only
  4. All levels of supervision
- 2-38. A mishap occurred in your shop. As the supervisor, you should be the person who conducts the mishap investigation for which of the following reasons?
1. Seniority
  2. Prior experience
  3. Investigative technique
  4. Knowledge of the experience and characteristics of your personnel
- 2-39. When conducting a mishap investigation, you should NOT ask the witnesses what type of questions?
1. Who
  2. How
  3. What
  4. Where
- 2-40. Mishaps and injuries are two separate occurrences.
1. True
  2. False
- 2-41. Privileged information is usually gathered by using which of the following methods?
1. Interrogation
  2. Forced confession
  3. Promise of confidentiality
  4. Promise of reward

- 2-42. Witnesses will provide statements to mishap investigation boards under oath.
1. True
  2. False
- 2-43. Which of the following items is considered privileged information?
1. Copies of instructions
  2. Witness statements
  3. Physical evidence
  4. Logs and records
- 2-44. Which of the following factors is the key to a good investigation?
1. Witnesses' attitude
  2. Witnesses' enthusiasm
  3. Investigator's instinct
  4. Investigator's training
- 2-45. What is the first priority when mishaps occur?
1. Save lives
  2. Control damage
  3. Preserve the evidence
  4. Protect the mishap site
- 2-46. Pictures of a mishap site taken using a self-developing camera vice a 35-mm camera result in which of the following disadvantages?
1. They lack intense color
  2. They lack fine detail
  3. They are difficult to enlarge
  4. Both 2 and 3
- 2-47. Which of the following types of photography is/are especially helpful in a fire investigation?
1. Color
  2. Black and White
  3. Both 1 and 2
  4. Self-developing
- 2-48. When taking photos of fire scenes, you should take precautions to prevent charred materials from causing which of the following photography problems?
1. Poor depth of field
  2. Underexposure
  3. Overexposure
  4. Inadequate color
- 2-49. A diagram of a mishap scene has what primary advantage over a photograph?
1. Shows less clutter
  2. Shows no action
  3. Shows no direction of movement
  4. Shows less lighting information
- 2-50. A witness is defined as an insight provider to a mishap. Which of the following elements can be classified as a witness?
1. Parts
  2. People
  3. Position
  4. Each of the above
- 2-51. When it comes to "how" the mishap occurred, which of the following witnesses or situations provide the most valuable information?
1. Parts
  2. Paper
  3. People
  4. Position
- 2-52. During a safety investigation afloat, how can you minimize the withholding of information?
1. Witness should testify under oath
  2. Witnesses should be rewarded
  3. Promise of confidentiality
  4. Promise of testimonial immunity

- 2-53. To assure witnesses that the information they provide will not be used against them, a formal mishap investigation board uses what form?
1. Advice to Witnesses form
  2. Special Request form
  3. DD-1149 form
  4. DD-1348 form
- 2-54. When in the process of interviewing several witnesses, you should take which of the following steps to prevent them from forming a homogenized testimony?
1. Assign witnesses separate tasks at different locations
  2. Meet witnesses individually
  3. Meet with witnesses as a group
  4. Have witnesses wait in the mess deck for the interview
- 2-55. When interviewing a witness of the opposite sex, you should take which of the following precautions?
1. Ensure the area is not secluded
  2. Ensure the door remains open
  3. Both 1 and 2 above
  4. Ensure other witnesses are in the room
- 2-56. To effectively interview witnesses, you should apply which of the following techniques?
1. Ask questions that can only be answered by a yes or no
  2. Ask questions that will require explanations
  3. Always start your interview with a different question
  4. Use two or more investigators to interview a witness
- 2-57. You do NOT use Advice to Witness forms when performing which, if any, of the following types of investigations?
1. Local mishap investigations
  2. Formal mishap investigations
  3. Static mishap investigations
  4. None of the above

- 2-58. What is considered the most difficult part of a mishap investigation?
1. Taking pictures
  2. Interviewing witnesses
  3. Determining the sequence of events
  4. Determining who caused the mishap
- 2-59. You may obtain information on previous mishaps that may provide clues to the mishap you are currently investigating from which of the following commands?
1. Naval Safety Center
  2. Systems commands
  3. Type commanders
  4. All of the above
- 2-60. You found criminal evidence during an informal investigation. Which of the following actions should you take?
1. Call NIS
  2. Consult with legal services
  3. Stop your investigation and inform your chain of command
  4. All of the above

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| <p>A. Fault Tree Analysis</p> <p>B. Change Analysis</p> <p>C. Management Oversight and Risk Tree</p> <p>D. Technique of Operations Review</p> |
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Figure 2-C.—Analytical Techniques.

SELECT THE ANALYTICAL TECHNIQUE IN FIGURE 2-C THAT MATCHES THE DESCRIPTION USED IN QUESTIONS 2-61 THROUGH 2-65. RESPONSES MAY BE USED ONCE, MORE THAN ONCE, OR NOT AT ALL.

- 2-61. A departure from the norm, which could become an element in the chain of events leading to a mishap.
1. A
  2. B
  3. C
  4. D

2-62. A method of determining if a particular system, component, or equipment requires planned maintenance.

- 1. A
- 2. B
- 3. C
- 4. D

2-63. An analysis directed more at management than at hardware.

- 1. A
- 2. B
- 3. C
- 4. D

2-64. An analysis that takes into account more supervisory and human factors.

- 1. A
- 2. B
- 3. C
- 4. D

2-65. A method of working backward from the final failure to the original component to show the cause-and-effect relationship of the system.

- 1. A
- 2. B
- 3. C
- 4. D

### ASSIGNMENT 3

Textbook Assignment: "Navy Occupational Safety and Health Program Fundamentals," chapter 5, pages 5-1 through 5-27, and "Shore Safety," chapter 6, pages 6-1 through 6-11.

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| <p>3-1. A separate NAVOSH manual for forces afloat was issued for what reason?</p> <ol style="list-style-type: none"><li>1. Because of their high tempo of operations</li><li>2. Because of unique military equipment</li><li>3. To comply with OSHA standards</li><li>4. To comply with CNO'S directive</li></ol> <p>3-2. The Navy Occupational Safety and Health (NAVOSH) Program applies to which of the following groups of people?</p> <ol style="list-style-type: none"><li>1. Military personnel</li><li>2. Civilian personnel</li><li>3. Nonappropriated fund personnel</li><li>4. All of the above</li></ol> <p>3-3. Which of the following is a measure of a successful NAVOSH Program?</p> <ol style="list-style-type: none"><li>1. All surveys being conducted</li><li>2. NAVOSH training being conducted</li><li>3. All mishaps being reported</li><li>4. Work related injuries and illnesses being reduced</li></ol> <p>3-4. NAVOSH programs do NOT apply to naval personnel on liberty.</p> <ol style="list-style-type: none"><li>1. True</li><li>2. False</li><li>3.</li><li>4.</li></ol> <p>3-5. The <i>NAVOSH Program Manual</i> does NOT address some of the safety and health standards for personnel assigned ashore. In those cases, what safety standards should shore personnel adhere to?</p> <ol style="list-style-type: none"><li>1. NAVELEX</li><li>2. NSTM</li><li>3. OSHA</li><li>4. CNO</li></ol> | <p>3-6. Able B. Seaman is assigned to ground electronics at a naval air station. He will find the electrical safety standards that apply to his job in which of the following publications?</p> <ol style="list-style-type: none"><li>1. <i>NAVOSH Program Manual</i></li><li>2. <i>General Industry Standards</i></li><li>3. <i>NAVOSH Program Manual for Forces Afloat</i></li><li>4. <i>Standard Organization and Regulations of the U.S. Navy</i></li></ol> <p>3-7. Industrial hygiene deals with controlling the work environment to protect the workers'</p> <ol style="list-style-type: none"><li>1. wages</li><li>2. health</li><li>3. benefits</li><li>4. working hours</li></ol> <p>3-8. The legally established exposure level of a harmful physical agent is identified by which of the following terms?</p> <ol style="list-style-type: none"><li>1. Ceiling limit</li><li>2. Threshold limit value</li><li>3. Short-term exposure level</li><li>4. Permissible exposure limit</li></ol> <p>3-9. During an industrial hygiene survey, which of the following areas should be investigated?</p> <ol style="list-style-type: none"><li>1. Decks only</li><li>2. Galleys only</li><li>3. Engineering spaces only</li><li>4. Every workplace at the facility</li></ol> |
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3-10. Heat stress becomes excessive when the body

1. is unable to adjust to changes in temperature
2. starts sweating
3. temperature reaches 99 degrees Fahrenheit
4. is exposed to rising temperature

3-11. Aboard ship, what was the leading cause of heat stress injuries reported in 1991?

1. Participating in physical fitness training
2. Working in engineering spaces
3. Wearing the fire-fighting ensemble
4. Working in food preparation areas

3-12. A victim having hot, flushed, dry skin and a fast, strong pulse is suffering from what type of heat stress?

1. Heat cramps
2. Heat stroke
3. Heat fatigue
4. Heat exhaustion

3-13. A victim who has pale and clammy skin; has a fast, weak pulse: and is experiencing profuse sweating is suffering from what type of heat stress?

1. Heat exhaustion
2. Heat fatigue
3. Heat stroke
4. Heat cramps

3-14. What type of heat stress is a life-threatening medical emergency?

1. Heat exhaustion
2. Heat fatigue
3. Heat stroke
4. Heat cramps

3-15. When heat cannot be reduced in the work area, which of the following precautions could prevent a heat-stress injury?

1. Control the conditions that cause heat stress
2. Detect the conditions that cause heat stress
3. Restrict personnel exposure to the heat
4. Use dry bulb thermometers

3-16. According to the base-line thumb rule, you are required to wear hearing protection when you have to raise your voice when talking to a person at what maximum distance?

1. One arm length
2. Two arms length
3. Three arms length
4. Four arms length

3-17. Ashore. after modifications have been made that could affect noise levels in noise-hazardous areas. resurveys are conducted within a minimum of how many days?

1. 10
2. 20
3. 30
4. 40

3-18. When the noise level cannot be maintained below 84 dB by using engineering controls, which of the following types of protection is necessary?

1. Isolate the noisiest equipment
2. Use earplugs or earmuffs
3. Reduce the number of operating personnel
4. Secure the area to personnel

3-19. At what maximum noise level will a worker be required to wear double hearing protection?

1. 90 dB
2. 96 dB
3. 100 dB
4. 104 dB

- 3-20. What regulation ensures the safe and effective use of hazardous materials?
1. Material Safety Data Sheet instructions
  2. *Hazard Communication Standard*
  3. *Hazardous Materials User's Guide*
  4. DOD Hazardous Materials Information System
- 3-21. The Navy's hazardous material control and management program is managed by which of the following commands?
1. Occupational Safety and Health Agency
  2. Environmental Protection Agency
  3. Naval Supply Systems Command
  4. Naval Safety Center
- 3-22. Material can be designated as hazardous waste by which of the following commands?
1. EPA
  2. NSC
  3. OSHA
  4. NSSC
- 3-23. The Material Safety Data Sheet (MSDS) provides which of the following hazardous material information?
1. Price
  2. Manufacture date
  3. Transportation date
  4. Carcinogenicity
- 3-24. What data base provides useful information on more than 70,000 hazardous materials used by the defense department?
1. Material Safety Data Sheets
  2. Hazardous Materials Information System
  3. Hazardous Material Authorized Use List
  4. *Hazardous Material User's Guide*
- 3-25. Which of the following information appears on hazardous material labels as mandated by OSHA?
1. Name and address of the manufacturer
  2. Emergency and first-aid procedures
  3. Transportation data
  4. Disposal data
- 3-26. A hazardous material that you ordered arrived with only the minimum required OSHA label. What additional label, if any, should you attach to the material?
1. Hazardous chemical warning label
  2. Visual hazard warning label
  3. MSDS label
  4. None
- 3-27. Who is responsible for determining an eye-hazard area?
1. Division officer
  2. Industrial hygienist
  3. Activity safety officer
  4. Activity commanding officer
- 3-28. When must a person who has 20/200 or worse vision in one eye wear eye protection?
1. When directed by the supervisor
  2. When assigned to an eye-hazard area
  3. When working at the work station
  4. At all times
- 3-29. Aboard ship, who should have a complete list of all eye-hazard areas?
1. Safety officer
  2. Medical officer
  3. Safety petty officer
  4. Chief master-at-arms

- 3-30. In an area that handles corrosive materials, you would expect to find which of the following safety items?
1. Fire alarm switch
  2. Eyewash station only
  3. Warning sign only
  4. Both 2 and 3 above
- 3-31. Which of the following personnel is authorized to remove asbestos materials from ships?
1. Safety officer
  2. Damage control petty officer
  3. Shipyard worker
  4. Damage control assistant
- 3-32. Which of the following processes is used to identify asbestos products?
1. An oil laboratory test
  2. Microscopic analysis
  3. An acidity test
  4. Casual observance
- 3-33. If you ingest lead, what part of your body can be damaged?
1. Lungs
  2. Kidneys
  3. Stomach
  4. Esophagus
- 3-34. Which of the following shipboard materials contain(s) lead?
1. Batteries
  2. Pipe joints
  3. Weights and cable sockets
  4. All of the above
- 3-35. What type of radiation strips atoms of its electrons?
1. Laser radiation
  2. Radar radiation
  3. Ionizing radiation
  4. Nonionizing radiation
- 3-36. As outlined in OPNAVINST 5100.19B and 5100.23C, which of the following personnel are excluded from the Radiation Protection Program?
1. Nuclear weapons technicians
  2. Medical x-ray technicians
  3. Dental x-ray technicians
  4. Radar technicians
- 3-37. Afloat, the commanding officer starts a respiratory protection program by appointing, in writing, which of the following personnel?
1. Certified respiratory protection program manager
  2. Respiratory protection officer
  3. Medical officer
  4. Safety officer
- 3-38. When, if ever, would a surgical mask be considered as adequate respiratory protection?
1. During chipping
  2. During painting
  3. During grinding
  4. Never
- 3-39. A respirator cartridge used while painting is identified by which of the following labels?
1. Dust
  2. Mist
  3. Fumes
  4. Vapor
- 3-40. What type of respirator do you use in an environment that is deficient in oxygen and is laden with mercury?
1. Self-contained breathing apparatus
  2. Emergency escape breathing device
  3. Air-purifying respirator
  4. Cartridge respirator



- A. Dust
- B. Fumes
- C. Gas
- D. Mist and fog

Figure 3-A.-Types of Air Contaminants.

IDENTIFYING THE TYPES OF AIR CONTAMINANTS IS CRITICAL IN SELECTING THE PROPER RESPIRATOR. TO ANSWER QUESTIONS 3-41 THROUGH 3-45, SELECT THE TYPE OF AIR CONTAMINANT IN FIGURE 3-A THAT MATCHES THE DESCRIPTION USED AS THE QUESTION. RESPONSES MAY BE USED ONCE. MORE THAN ONCE, OR NOT AT ALL.

- 3-41. Particles formed by the condensation of volatile solids that are produced by the welding, brazing, or cutting of metals.
- 1. A
  - 2. B
  - 3. C
  - 4. D
- 3-42. A material that under normal temperature and pressure tends to occupy an entire space.
- 1. A
  - 2. B
  - 3. C
  - 4. D
- 3-43. Particles created by breaking up larger particles during the crushing, grinding, sanding, or chipping of materials.
- 1. A
  - 2. B
  - 3. C
  - 4. D
- 3-44. Finely divided liquid droplets suspended in air that are produced during spray painting.
- 1. A
  - 2. B
  - 3. C
  - 4. D

- 3-45. A material that is usually invisible and odorless.
- 1. A
  - 2. B
  - 3. C
  - 4. D
- 3-46. Personal protective clothing and equipment (PPE) can reduce or eliminate the hazard itself.
- 1. True
  - 2. False
- 3-47. You are assigned to do hot work over the side. Which of the following PPE are you required to wear?
- 1. Safety shoes, heat-insulated gloves, safety harness, and metal hard hat
  - 2. Safety shoes, leather gloves, and safety harness
  - 3. Safety shoes, heat-insulated gloves, and a safety harness with wire rope
  - 4. Safety shoes, heat-insulated gloves, and a safety harness with nylon lanyards
- 3-48. Afloat, in which of the following spaces can you obtain an extension cord?
- 1. Electronics Technician's shop
  - 2. Electrical tool issue room
  - 3. Boatswain's locker
  - 4. supply
- 3-49. The electrical tools custodian can only issue tools to which of the following personnel?
- 1. Members of electrical and electronics ratings
  - 2. Engineering personnel
  - 3. Personnel who have received electrical safety training within the year
  - 4. All of the above

- 3-50. When, if ever, should personnel receive indoctrination and training on basic electrical safety?
1. Upon reporting aboard
  2. Annually
  3. Both 1 and 2 above
  4. Never
- 3-51. During all corrective maintenance, you are required to abide by which of the following safety procedures?
1. Planned Maintenance System (PMS) procedures
  2. Maintenance Data System (MDS) procedures
  3. Standard operating procedures
  4. Tag-out/Lock-out procedures
- 3-52. Which of the following precautions should you observe when working in a confined space?
1. Always report to the gas free engineer before working in a confined space
  2. When aboard ship, use gas free certificates for only 8 hours
  3. Wear a hard hat aboard ship during a confined space test
  4. Test a confined space for the presence of toxic gases only
- 3-53. As a supervisor, you should ensure your workers follow which of the following safety precautions?
1. Comply with safety procedures
  2. Wear appropriate PPE
  3. Take no short cuts and safely perform all jobs
  4. All of the above
- 3-54. What instruction provides the administrative requirements for shore NAVOSH programs?
1. OPNAVINST 5100.19B
  2. OPNAVINST 5100.21B
  3. OPNAVINST 5100.23C
  4. OPNAVINST 5102.1C
- 3-55. Both military and civilian personnel are subject to disciplinary action when they violate NAVOSH regulations.
1. True
  2. False
- 3-56. Ashore, who plans, directs, and administers the OSH programs?
1. Commanding officer
  2. Safety officer
  3. Naval safety center
  4. OSH office
- 3-57. For an activity to have a full-time OSH manager, it should have at least a total of how many personnel?
1. 100
  2. 200
  3. 300
  4. 400
- 3-58. Which of the following activities provides analytical services and occupational medicine examinations?
1. Industrial hygiene laboratories
  2. Medical training centers
  3. Naval hospitals
  4. OSH offices
- 3-59. Which of the following approaches is likely to change behavior and lead to mishap prevention?
1. Legislated safety
  2. Safety endorsement
  3. OSH training
  4. Peer pressure
- 3-60. How much total HAZCOM training is required by collateral duty OSH personnel?
1. 30-minute initial training only
  2. 3-hour initial training and OJT
  3. 3-hour initial training and refresher training as required
  4. 24-hour initial training and 3-hour annual training

- 3-61. At which of the following naval air stations can you obtain quotas for shore-oriented safety courses?
1. Norfolk, Va.
  2. Meridian. Miss.
  3. Pensacola. Fla.
  4. North Island, Calif.
- 3-62. Which of the following statements de-scribes the objective of the NAVOSH program?
1. To establish mishap prevention standards
  2. To provide a safe and healthy work environment
  3. To evaluate the effectiveness of the safety program
  4. To provide supervision in matters pertaining to safety
- 3-63. What type of survey is required if hazards are found in a work place?
1. Base-line
  2. Walk-through
  3. Periodic
  4. Initial
- 3-64. What is the first step in an industrial hygiene survey?
1. Initial survey
  2. Periodic survey
  3. Walk-through survey
  4. Base-line survey
- 3-65. When the industrial hygiene survey shows potential exposure of personnel to toxic chemicals, what plan is prepared?
1. Workplace monitoring plan
  2. Industrial hygiene plan
  3. Exposure sampling plan
  4. Pre-mishap plan
- 3-66. Data pertinent to personnel exposures (except asbestos) are retained for a minimum of how many years?
1. 10 years
  2. 20 years
  3. 30 years
  4. 40 years
- 3-67. The NAVOSH Program compliance is evaluated during which of the following inspections?
1. 3M
  2. SMI
  3. OPPE
  4. INSURV
- 3-68. Navy workplaces with recognized potential health hazards should be evaluated at what minimum frequency?
1. Weekly
  2. Annually
  3. Bimonthly
  4. Semiannually
- 3-69. Ashore, NAVOSH oversight inspections are conducted by which of the following commands?
1. OSHA
  2. NAVINSGEN
  3. PREINSURV
  4. NAVSAFECEN
- 3-70. You have civilian employees working in your facility. Which of the following personnel may conduct NAVOSH inspections of your work site?
1. Federal OSHA officials only
  2. State OSHA officials only
  3. Both 1 and 2 above
  4. Safety Center officials only
- 3-71. OSHA officials can conduct work-site inspections on work centers staffed with military personnel only,
1. True
  2. False
- 3-72. To report property damage, the OSH office uses which of the following logs/reports?
1. Annual Summary of Navy Civilian Occupational Injuries
  2. Log of Navy Injuries and Occupational Illnesses
  3. Explosive Mishap Report
  4. OPNAV Safety Report

3-73. Before a mishap is reported to the Naval Safety Center, any injury involved must result in how many lost workdays?

1. 5
2. 2
3. 3
4. 4

3-74. Which of the following mishaps is reportable?

1. A mishap resulting in \$5000 property damage
2. Electric shock because of a personnel error
3. Traffic mishap not involving a government vehicle, but resulting in \$1000 DOD property damage
4. Damage to small craft assigned to a shore activity

3-75. An investigation of a shore mishap that resulted in a fatality is initiated by which of the following persons?

1. Local OSH officer
2. Echelon 2 commander
3. Echelon 3 commander
4. Naval Inspector General

## ASSIGNMENT 4

Textbook Assignment: "Afloat Safety," chapter 7, pages 7-1 through 7-13; "Naval Aviation Safety," chapter 8, pages 8-1 through 8-15; and "Explosives Safety," chapter 9, pages 9-1 through 9-5.

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4-1. The primary goal of the afloat safety program is to

1. instruct personnel in hazard prevention
2. evaluate effectiveness of the safety program
3. maintain safety records and mishaps statistics
4. attain the highest degree of operational readiness

4-2. What is the first critical step in achieving the goals of the afloat safety program?

1. Hazard identification
2. Hazard elimination
3. Hazard prevention
4. Hazard correction

4-3. Shipboard safety standards can be found in what volume of the *NAVOSH Program Manual for Forces Afloat*?

1. I
2. II
3. III
4. IV

4-4. Directing the afloat safety program is the responsibility of which of the following personnel?

1. Executive officer
2. Safety officer
3. Commanding officer
4. Members of the chain of command

4-5. Who executes and manages the afloat safety programs?

1. Chief of Naval Operations
2. Commanding officer
3. Executive officer
4. Safety officer

- A. Chief of Naval Education and Training
- B. Commander, Naval Safety Center
- C. Systems commanders
- D. Type commanders

Figure 4-A.-Afloat safety program personnel.

IN ANSWERING QUESTIONS 4-6 THROUGH 4-10, SELECT FROM FIGURE 4-A THE PERSON WHO PERFORMS THE FUNCTION LISTED AS THE QUESTION. RESPONSES MAY BE USED ONCE, MORE THAN ONCE, OR NOT AT ALL.

4-6. Ensures the correction of documented hazards receives priority during availability planning.

1. A
2. B
3. C
4. D

4-7. Conducts the final review and analysis of mishap investigation reports (MIRs).

1. A
2. B
3. C
4. D

4-8. Responsible for ensuring that subordinate commands provide effective safety training.

1. A
2. B
3. C
4. D

- 4-9. Provides technical focus for comprehensive development and administration of the afloat safety program.
1. A
  2. B
  3. C
  4. D
- 4-10. Sanitizes MIRs and endorsements for use in safety training.
1. A
  2. B
  3. C
  4. D
- 4-11. The safety officer directly reports hazardous conditions or operations to which of the following personnel?
1. Commanding officer
  2. Executive officer
  3. Engineer officer
  4. Division officer
- 4-12. All hands have which of the following safety responsibilities?
1. Know and obey all safety precautions
  2. Report unsafe procedures
  3. Provide mishap information to safety investigators
  4. Each of the above
- 4-13. What is the key to a successful safety program?
1. An experienced safety officer
  2. Hazard identification
  3. Quality training
  4. Mishap reporting
- 4-14. Occupational health and safety subject matter is combined into generic lesson guides for use in shipboard training in what publication?
1. NTP S-40-8603
  2. NAVEDTRA 10074
  3. NAVSAFECEN 5102/30
  4. NAVOSH Program Manual
- 4-15. Safety courses are offered to shipboard personnel by which of the following activities?
1. Mobile training units
  2. Fleet training centers
  3. Naval training centers
  4. Recruit training centers
- 4-16. What is the principal way commands discover hazards?
1. By chance
  2. By the occurrence of mishaps
  3. Through workplace inspections
  4. Through individual personnel reports
- 4-17. At least how often should shipboard work spaces be inspected for safety hazards?
1. Weekly
  2. Monthly
  3. Annually
  4. Semiannually
- 4-18. The Naval Safety Center conducts occupational health surveys of naval operating forces at least how often?
1. Once a year
  2. Twice a year
  3. Every 3 years
  4. As requested
- 4-19. Results of surveys conducted by the Safety Center are sent to which of the following personnel?
1. Unit commanding officer
  2. Chief of Naval Operations
  3. Type commander
  4. Unit safety officer
- 4-20. In 1989, the CNO called for a Navywide safety standdown for which of the following reasons?
1. Aviation mishaps
  2. Off-duty mishaps
  3. An annual requirement
  4. A rash of shipboard mishaps

- 4-21. Detailed procedures and report formats for afloat mishap investigation and reporting is contained in what instruction?
1. OPNAVINST 5100.19B
  2. OPNAVINST 5100.10G
  3. OPNAVINST 5100.21B
  4. OPNAVINST 5100.23C
- 4-22. A mishap that results in property damage of \$500,000 is assigned what mishap classification?
1. Class A
  2. Class B
  3. Class C
  4. Special case
- 4-23. When no injury or need of medical attention is involved, which, if any, of the following mishaps is reportable to NAVSAFECEN?
1. Hazardous material exposure
  2. Oxygen deficiency
  3. Electric shock
  4. None of the above
- 4-24. Shipboard mishaps involving civilians or foreigners are reportable under OPNAVINST 5100.21B.
1. True
  2. False
- 4-25. What is the goal of the aviation safety program?
1. To preserve resources
  2. To report all mishaps
  3. To enhance operational readiness
  4. To cut aircraft maintenance costs
- 4-26. What term is used to identify the potential cause of damage and injury?
1. Lack of training
  2. Human error
  3. Hazard
  4. Stress
- 4-27. Detecting, containing, and eliminating hazards is the concern of which of the following activities?
1. Aircraft design
  2. Personnel selection
  3. Aircraft support equipment
  4. All of the above
- 4-28. Who directs and supervises the Naval Aviation Safety Program?
1. Commander, Naval Safety Center
  2. Commander, Naval Air
  3. Aviation safety officer
  4. Director, Air Warfare
- 4-29. Who advises and aids the CNO in the administration and monitoring of the Naval Aviation Safety Program?
1. Commander, Naval Safety Center
  2. Commander, Naval Air
  3. Aviation safety officer
  4. Director, Air Warfare
- 4-30. Which of the following officers can be assigned as the aviation safety officer (ASO)?
1. A designated naval flight officer
  2. A flight surgeon
  3. An air department officer
  4. An AIMD officer
- 4-31. The ASO billet is only a collateral duty .
1. True
  2. False
- 4-32. When do you submit a Hazard Report (HR)?
1. When directed by higher authority
  2. When directed by the ASO
  3. Whenever a hazard is detected
  4. Whenever a mishap has occurred

- 4-33. To have an effect outside the organization, the HR should be submitted to whom?
1. Aviation safety officer
  2. Commanding officer
  3. Department head
  4. Higher authority
- 4-34. A special HR format is required to report which of the following hazards?
1. Bird strike
  2. Mid-air collision
  3. Aircraft fire
  4. Aircraft mishap resulting in fatal injury
- 4-35. An individual who is reluctant to identify a hazard because of a unique situation is authorized to send which of the following types of HRs?
1. Special format
  2. Anonymous
  3. Standard
  4. FOUO
- 4-36. In the interest of safety, all HRs with a severe risk assessment code should be submitted within how many hours after the hazard is detected?
1. 60
  2. 24
  3. 36
  4. 48
- 4-37. The only restriction on the use of HRs is that they are used For Official Use Only (FOUO).
1. True
  2. False
- 4-38. An aircraft involved in an accident before take off, which results in a total damage of \$250,000, is assigned what (a) mishap category and (b) severity class?
1. (a) FM (b) A
  2. (a) FM (b) B
  3. (a) FRM (b) A
  4. (a) FRM (b) B

- A. Fatal injury
- B. Permanent total disability
- C. Permanent partial disability
- D. Lost workday

Figure 4-B.-Injury classifications.

IN ANSWERING QUESTIONS 4-39 THROUGH 4-43, SELECT THE INJURY CLASSIFICATION IN FIGURE 4-B THAT MATCHES THE DESCRIPTION USED AS THE QUESTION. RESPONSES MAY BE USED ONCE, MORE THAN ONCE, OR NOT AT ALL.

- 4-39. An injury that results in the loss of both arms.
1. A
  2. B
  3. C
  4. D
- 4-40. An injury that results in death due to a complication arising from the mishap.
1. A
  2. B
  3. C
  4. D
- 4-41. An injury that results in second-degree burns over 5 percent of the body.
1. A
  2. B
  3. C
  4. D
- 4-42. An injury that results in an unrepairable inguinal hernia.
1. A
  2. B
  3. C
  4. D
- 4-43. An injury that results in the loss of the great toe.
1. A
  2. B
  3. C
  4. D



- 4-44. Mishap reports (MRs) provide which of the following information concerning aircraft mishaps?
1. Hazard elimination information
  2. Mishap prevention information
  3. Information about the person causing the mishap
  4. Information about the progress of investigation
- 4-45. NAVSAFECEN requires that a Class A aviation mishap be reported initially by which of the following means?
1. Message
  2. Telephone
  3. Mail
  4. Courier
- 4-46. An initial message MR for all Class A and B aviation mishaps will be submitted within how many hours?
1. 12 hours
  2. 24 hours
  3. 36 hours
  4. 4 hours
- 4-47. Aircraft mishap investigations are conducted for which of the following reasons?
1. To determine culpability
  2. To determine total damage
  3. For safety purposes only
  4. For accounting purposes only
- 4-48. If an aircraft manned by an aircrew is involved in a mishap, which of the following personnel must serve as a member of the aircraft mishap board?
1. AIMD officer
  2. Safety officer
  3. NATOPS qualified officer
  4. Aircrew survival qualified officer
- 4-49. On what form do you report the hazards responsible for a mishap?
1. Special HR
  2. MIR
  3. MR
  4. HR
- 4-50. Following a mishap, an MIR must be submitted within how many days?
1. 50
  2. 60
  3. 30
  4. 40
- 4-51. What is the purpose of the Mishap and Hazard Recommendation Tracking (MISTRAC) Program?
1. To monitor corrective actions
  2. To ensure all hazards are reported
  3. To eliminate hazards
  4. To identify corrective actions
- 4-52. Under the MISTRAC program, who monitors corrective action recommendations?
1. ASO
  2. CNO
  3. COMNAVAIR
  4. COMNAVSAFECEN
- 4-53. When does NAVSAFECEN provide action agencies with a listing of all MISRECs?
1. Semiannually on 1 March and 1 September
  2. Semiannually on 1 April and 1 October
  3. Annually on 15 January
  4. Annually on 1 October
- 4-54. Who is responsible for providing safety education in a command?
1. CO
  2. XO
  3. EMO
  4. ASO

- 4-55. What are the three functions of a command aviation safety program?
1. Hazard reporting, hazard detection, and hazard elimination
  2. Hazard detection, hazard elimination, and safety training
  3. Hazard reporting, hazard elimination, and safety training
  4. Hazard monitoring, hazard reporting, and hazard detection
- 4-56. What publication identifies the requirements and conditions in reporting aviation mishaps?
1. OPNAVINST 3750.6Q
  2. OPNAVINST 5100.19B
  3. OPNAVINST 5100.23C
  4. NAVAIR A1-NAOSH-SAF-000/P5100-1
- 4-57. Which of the following elements of an aviation safety program is/are vital to a successful safety effort?
1. Command climate
  2. Command safety goals
  3. Command safety organization
  4. All of the above
- 4-58. What is the recommended minimum frequency for a formal NAVSAFECEN survey?
1. 1 year
  2. 2 years
  3. 3 years
  4. 4 years
- 4-59. Flight deck operations are more dangerous than ground aircraft operations for which of the following reasons?
1. Hazards posed by propellers and rotors
  2. Exhaust area hazards
  3. Limited space
  4. Engine noises
- 4-60. What are the two most serious hazards of jet engine exhaust?
1. High temperature and noise
  2. High temperature and high velocity
  3. Noise and high velocity
  4. Noise and exhaust gasses
- 4-61. Preventing the premature, unintentional, or unauthorized discharge of explosives is the main reason for having an explosives safety program.
1. True
  2. False
- 4-62. Who reviews the explosive safety of weapons or explosives systems?
1. DDESB
  2. WSESRB
  3. DCNO
  4. COMNAVSAFECEN
- 4-63. DOD explosives safety standards are established by which of the following organizations?
1. DDESB
  2. WSESRB
  3. NAVSAFECEN
  4. NAVSEASYSKOM
- 4-64. The explosives safety standards provide which of the following types of guidance to DOD components?
1. Disposal of explosives
  2. Storage of explosives
  3. Transportation of explosives
  4. Avoidance of hazardous conditions connected with explosives
- 4-65. Who conducts the detailed safety inspection of explosives systems?
1. COMNAVSEASUPPCEN
  2. COMNAVSAFECEN
  3. COMNAVAIR
  4. DCNO

- 4-66. A waiver for an explosive safety requirement can be obtained from which of the following personnel?
1. Commanding officer
  2. Secretary of Defense
  3. Deputy Chief of Naval Operations
  4. Commander, Naval Supply Systems Command
- 4-67. What is the most common cause of mishaps involving explosive devices?
1. Weather conditions
  2. Manufacturing defects
  3. Faulty design
  4. Personnel error
- 4-68. As an ordnance supervisor ashore, you should be familiar with which of the following instructions?
1. OPNAVINST 3750.6Q
  2. OPNAVINST 4110.2
  3. OPNAVINST 5100.25A
  4. NAVSEA OP 5
- 4-69. Any requests, suggestions, or comments about explosives safety standards should be forwarded in writing to which of the following personnel?
1. Commander, Naval Supply Systems Command
  2. Deputy Chief of Naval Operations
  3. Secretary of Defense
  4. Commanding officer
- 4-70. What flag is hoisted during ordnance handling operations?
1. ALPHA
  2. BRAVO
  3. KILO
  4. PAPA
- 4-71. Who is authorized to safely remove and dispose of defective or suspected ammunitions from a work area?
1. CO
  2. DCA
  3. EOD
  4. DCNO
- 4-72. As an explosive safety supervisor, you are authorized to alter some safety regulations to complete tasking on time.
1. True
  2. False
- 4-73. What is the major safety factor in preventing an ordnance catastrophe?
1. Explosive safety instructions
  2. An experienced fire-fighting team
  3. A well-experienced and knowledgeable person in charge
  4. The availability of more personnel than what is required for any ordnance operation
- 4-74. At a minimum, when should you inspect ordnance elevators and hoists?
1. Monthly and after use
  2. Meekly and before use
  3. Weekly and after use
  4. Semiannually
- 4-75. What publication should you use as a reference when performing maintenance and testing of elevators?
1. OPNAVINST 5100.21B
  2. OPNAVINST 8600.2A
  3. NSTM, chapter 400
  4. NSTM, chapter 700

## ASSIGNMENT 5

Textbook Assignment: "Explosives Safety," chapter 9, pages 9-6 through 9-12; "Traffic Safety," chapter 10, pages 10-1 through 10-7; and "Recreation, Athletics, and Home safety," chapter 11, pages 11-1 through 11-15.

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5-1. The wearing of certain articles of adornment are prohibited during ordnance operations. Exemptions to that regulation may be made by which of the following offices or centers?

1. Local safety office
2. Naval Safety Center
3. Naval supply center
4. Chaplain's office

5-2. Who can give written authorization allowing spark-producing devices in explosives areas?

1. Supply officer
2. Safety officer
3. Commanding officer
4. Aviation ordnance officer

5-3. When a fire threatens a warehouse full of explosives, which of the following precautions should you take?

1. Evacuate personnel in the area
2. Call for additional fire fighters
3. Remove the explosives from the warehouse
4. Call an explosive ordnance disposal team

5-4. Which of the following ordnance evolutions requires a fire watch?

1. Inspection
2. Disposal
3. Transfer
4. Load up

5-5. Which of the following precautions is essential to any fire prevention effort?

1. Good housekeeping
2. A no smoking ordinance
3. A properly posted fire bill
4. Well-trained fire-fighting team

- A. Team member (TM)
  - B. Individual/Team leader (I/TL)
  - C. Quality assurance (QA)
  - D. Instructor (IN)
  - E. Safety observer

Figure 5-A.-Qualification Levels.

TO ANSWER QUESTIONS 5-6 THROUGH 5-9, SELECT THE QUALIFICATION LEVEL IN FIGURE 5-A THAT MATCHES THE DESCRIPTION USED AS THE QUESTION. RESPONSES MAY BE USED ONCE, MORE THAN ONCE, OR NOT AT ALL.

5-6. Requires sufficient knowledge to direct the performance of others in safe and reliable operations.

1. A
2. B
3. C
4. E

5-7. Requires a detailed knowledge of applicable inspection criteria for the explosive/device system.

1. A
2. C
3. D
4. E

5-8. This level of qualification does not build on any other level of qualification.

1. B
2. C
3. D
4. E

- 5-9. Possesses the required skills to instruct others and provide formal training using an approved course.
1. A
  2. C
  3. D
  4. E
- 5-10. Certification, unless revoked, is valid for a maximum of how many months?
1. 6 months
  2. 12 months
  3. 24 months
  4. 36 months
- 5-11. The revocation of individual or team certification is mandatory when which of the following actions results in a mishap?
1. Flagrant disregard of safety precautions
  2. Failure to follow authorized procedures
  3. Operating explosive handling equipment recklessly
  4. Each of the above
- 5-12. The procedures required for reporting explosives mishaps are more extensive than those required for other types of mishaps because of
1. the existence of a significant potential for damage or injury
  2. the complications caused by an explosives mishap
  3. the submission requirements of various agencies
  4. the great difficulty in investigating an explosives mishap
- 5-13. Which of the following incidents is a reportable explosives mishap?
1. Misuse of equipment resulting in damaged ordnance
  2. A chemical release of an agent into the atmosphere that creates a serious potential for exposure
  3. A failure to launch weapons
  4. The unintentional arming of an explosive component
- 5-14. Which of the following incidents is a reportable conventional ordnance deficiency?
1. Accidental discharge of small arms
  2. The unintentional launching of a weapon
  3. The unintentional arming of a weapon
  4. Leaking or spilled propellant fuels and oxidizers
- 5-15. A common carrier transporting explosive materials has a mishap outside the naval base. Your report of this mishap should be based on which of the following instructions?
1. OPNAVINST 5100.12F
  2. OPNAVINST 5100.19B
  3. OPNAVINST 5102.1C
  4. NAVSEA OP 2165
- 5-16. What type of mishap accounts for the majority of accidental deaths of Navy personnel?
1. Diving
  2. Afloat
  3. Aviation
  4. Motor vehicle
- 5-17. The highway safety program standards are contained in what instruction?
1. OPNAVINST 5100.12F
  2. OPNAVINST 5100.19B
  3. OPNAVINST 5100.21B
  4. OPNAVINST 5100.23C

- 5-18. The Navy Traffic Safety Program is not applicable to a person who drives an off-road motorcycle while off-duty.
1. True
  2. False
- 5-19. Noncompliance with the Navy Traffic Safety Program can result in which of the following immediate actions by the Navy?
1. Revocation of driving license
  2. Discharge from military service
  3. Reduced wages and compensation
  4. Nonpayment of medical bills for sustained injuries
- 5-20. You should wear a safety belt when riding in a motor vehicle in which of the following locations?
1. Off military bases only
  2. On military bases only
  3. Off military bases within the United States only
  4. Off base, whether in the United States or overseas, and on all military bases
- 5-21. To qualify to drive Navy police vehicles, ambulances, and crash and rescue vehicles, you must take what safety course?
1. ATV Safety Institute Rider Course
  2. AAA Driver Improvement Course
  3. National Highway Traffic Safety Administration's EVOC
  4. Motor Vehicle Emergency Safety Course
- 5-22. What is the leading cause of motor-vehicle-related deaths and injuries?
1. Fatigue
  2. Alcohol
  3. Inexperience
  4. Faulty equipment
- 5-23. Which of the following precautions should you take when jogging on roads and streets?
1. Jog facing traffic
  2. Jog with the traffic
  3. Wear dark-colored clothing
  4. Always use portable headphones
- 5-24. All naval personnel operating mopeds, on or off base, are required to complete which of the following safety programs?
1. A motor vehicle safety course
  2. AAA driver improvement course
  3. National highway traffic safety course
  4. A motorcycle safety program course
- 5-25. What instruction deals with recreation, athletics, and home safety?
1. OPNAVINST 5100.19B
  2. OPNAVINST 5100.23C
  3. OPNAVINST 5100.25A
  4. NAVSAFECEN 5102/30
- 5-26. The Navy Recreation, Athletics, and Home Safety Program applies to which of the following groups of people?
1. Military dependents on base only
  2. Military personnel off duty only
  3. Military personnel on duty only
  4. All of the above
- 5-27. At least how often should military personnel receive training on recreation, athletics, and home safety?
1. Annually
  2. Semiannually
  3. Daily
  4. Quarterly

- 5-28. Whether a customer is qualified to operate hobby shop tools and equipment is determined by which of the following persons?
1. The public relations officer
  2. The MWR staff member
  3. The medical officer
  4. The safety officer
- 5-29. You want to paint your truck in the auto hobby shop. The MWR employee should provide you with a written advisory about which of the following information?
1. The hazards associated with spray painting
  2. The chemical composition of the paint
  3. Medical emergency procedures
  4. The area clean-up procedure
- 5-30. Which of the following documents proves you are qualified to operate a watercraft?
1. A basic boat operation card
  2. U.S. Coast Guard small boat safety course completion certificate
  3. A boat license
  4. A valid driver's license
- 5-31. Command training records should be maintained for a minimum of how many years?
1. Five
  2. Two
  3. Three
  4. Four
- 5-32. What instruction governs the inspection of base swimming pools?
1. NMPCINST 1710.6A
  2. OPNAVINST 5100.19B
  3. OPNAVINST 5100.23C
  4. SECNAVINST 5100.10G
- 5-33. Who is responsible for educating personnel on off-duty hazards and the importance of PPE in sports?
1. Division officer
  2. Safety officer
  3. RAHS Program manager
  4. MWR officer
- 5-34. Many athletic injuries can be prevented by which of the following protective measures?
1. Conditioning and training
  2. Choosing the best athletes only
  3. Controlling the amount of alcohol use
  4. Limiting the number of participants
- 5-35. In competitive team play, who should be aware of the physical differences of the players?
1. The medical representative
  2. The coach
  3. The players
  4. The recreation officer
- 5-36. Which of the following responsibilities do you have as a participant in an athletic event?
1. To win at all costs
  2. To exceed your capabilities
  3. To protect yourself from injury
  4. To push yourself to the limit
- 5-37. Which of the following recreational activities is considered the most deadly?
1. Racquet sports
  2. Ice sports
  3. Water sports
  4. Football
- 5-38. Which of the following recreational mishaps is the leading killer of Navy people?
1. Drowning
  2. Accidental discharge of a firearm during hunting
  3. Head injuries from boxing
  4. Head injuries from bicycling

- 5-39. What is your best defense against drowning?
1. Learn how to swim
  2. Beware of cold water
  3. Use the buddy system
  4. Avoid swimming in lakes or rivers
- 5-40. You develop a cramp in your leg while swimming. Which of the following actions should you take?
1. Tread water and yell for help
  2. Take a deep breath and float face up
  3. Keep affected leg straight and swim to safety
  4. Draw your knees toward your chest and massage your cramped leg while moving it
- 5-41. Unlike drinking and driving, drinking and swimming is safe.
1. True
  2. False
- 5-42. In addition to having a physical examination, all divers should follow which of the following safety rules?
1. Never drink alcohol before diving
  2. Never dive until they have become a good swimmer
  3. Never dive alone—use the buddy system
  4. All of the above
- 5-43. During ascent, which of the following safety rules should you practice as a diver?
1. Ascend at about 120 feet per minute
  2. Ascend no faster than the slowest air bubble
  3. Ascend as fast as the fastest air bubble
  4. Ascend as fast as possible as long as no pain occurs
- 5-44. What percentage of all boating mishaps with serious injury involve alcohol?
1. 10 percent
  2. 20 percent
  3. 50 percent
  4. 75 percent
- 5-45. You rented a boat from MWR. Who, if anyone, on board the boat should wear a U.S. Coast Guard approved PFD?
1. The operator
  2. All passengers
  3. Both 1 and 2 above
  4. No one
- 5-46. Before setting out, you should leave a float plan. Which of the following information should the float plan include?
1. Make and model of the boat
  2. Your destination and expected return
  3. Telephone number of your next of kin
  4. Social security number of the passengers
- 5-47. When loading a boat, you determine its capacity by which of the following methods?
1. By counting the number of seats
  2. By measuring the waterline to the edge of the boat
  3. By observing the safe load capacity stamped on the boat
  4. By looking at the last passenger count in the boat log
- 5-48. Improper loading makes a boat unstable. The best place to distribute the load is in which of the following sections of the boat?
1. Aft
  2. Middle
  3. Forward
  4. Half way between middle and aft.



- 5-49. Should your boat capsize, what would be the safest action for you to take?
1. Cling to the boat until help arrives
  2. Swim to shore
  3. Swim away from the boat and float until help arrives
  4. Find the anchor and hold on to it
- 5-50. If someone falls overboard and drifts some distance from the boat, which of the following safety steps should you take?
1. Go into the water after the person
  2. Throw a life preserver or rope toward the person
  3. Call for help while circling the boat around the person
  4. Maneuver the boat toward the person and let him or her hang onto the boat
- 5-51. Safe water skiing requires a minimum of how many people?
1. Five
  2. Two
  3. Three
  4. Four
- 5-52. When water skiing, you should know what number of audible signals?
1. One
  2. Two
  3. Three
  4. Four
- 5-53. Hand signals are used in water skiing as a means of communication between the skier and driver. What is the meaning of a "hand raised with fingers spread"?
1. "Stop"
  2. "I am OK"
  3. "Cut the motor"
  4. "Slow the boat"
- 5-54. You are skiing at more than 25 mph when you realize that you are going to fall. What should you do after releasing the towline?
1. Stiffen your body before impact
  2. Extend your legs and arms forward and fall backward
  3. Grab your skis and hold until impact
  4. Tuck your head beneath your arms and roll into a ball
- 5-55. Which of the following places is a safe location for firearms shooting practice?
1. In your back yard
  2. In your basement
  3. Over water
  4. At the target range
- 5-56. To protect yourself from severe head injuries while bicycling, you should wear which of the following accessories?
1. A heavy head sweatband
  2. An ANSI approved helmet
  3. A plastic hard hat
  4. A metal hard hat
- 5-57. Navy personnel experience the most mishaps from which of the following winter sports?
1. Snow skiing
  2. Sledding
  3. Snowmobiling
  4. Ice skating
- 5-58. What factor is repeatedly cited as a major contributor to mishaps involving physical fitness?
1. Age
  2. Sex
  3. Overexertion
  4. Physical conditioning

- 5-59. During softball or baseball games, which, if any, of the following precautions will keep team members from colliding with each other?
1. Use of approved PPE
  2. Use of breakaway bases
  3. Use of designated players to call off teammates for fly balls
  4. None of the above
- 5-60. All participants of a boxing competition must attend a precompetition meeting or clinic for which of the following purposes?
1. To size up the competition
  2. To weigh all participants
  3. To obtain a physical examination
  4. To review concepts presented in the *Safety Awareness Manual*
- 5-61. While playing golf, you are caught in a thunderstorm. Which of the following precautions should you take?
1. Go to the top of a hill
  2. Keep close to wire fences
  3. Try to reach thick timber
  4. Seek shelter under an isolated tree
- 5-62. The requirement to wear proper eye protection during a racquetball game applies only to military personnel.
1. True
  2. False
- 5-63. Home fatalities and serious injuries were lower in 1992 than 1991. To which of the following factors can you attribute this significant reduction?
1. Training
  2. Greater safety awareness
  3. Command emphasis on preventing off-duty mishaps
  4. All of the above
- 5-64. What type of mishap causes most injuries in the home?
1. Falls
  2. Burns
  3. Shock
  4. Poisoning
- 5-65. In the average home, most falling mishaps occur in what area?
1. Garage
  2. Bedroom
  3. Kitchen
  4. Bathroom
- 5-66. The majority of ladders for household use have which of the following ratings?
1. Type I, heavy duty
  2. Type II, light duty
  3. Type III, light duty
  4. Type IV, medium duty
- 5-67. What measurement of voltage kills more people annually than any other voltage?
1. 6
  2. 110
  3. 220
  4. 440
- 5-68. Which of the following factors cause most home fires?
1. Defective house wiring
  2. Defective electrical equipment
  3. Home cooking
  4. Children playing with matches
- 5-69. Your most reliable source of fire detection is your senses.
1. True
  2. False

5-70. National Fire-Prevention Association Standard 74 recommends the installation of one smoke detector in which of the following areas of a home?

1. Above the door of each room
2. Outside each sleeping area
3. Above the entry to the basement
4. Outside the kitchen area

5-71. When a smoke detector is installed near windows and doors, its sensitivity could be affected by which of the following elements of the environment?

1. Draft
2. Light
3. Moisture
4. Humidity

5-72. To prevent hot tap water from scalding children, you should set the hot water heater at what maximum temperature setting?

1. 120 degrees
2. 130 degrees
3. 140 degrees
4. 150 degrees

5-73. What is the most common cause of accidental poisoning of children in the home?

1. Paint
2. Alcohol
3. Medicines
4. Furniture polish

5-74. In general, an injury is reportable if the injured person loses a maximum of how many working days?

1. One
2. Five
3. Three
4. Four

COURSE COMPLETION/DISENROLLMENT FORM  
(Refer to instructions in front of course)

PLEASE PRINT CLEARLY

NAVAL SAFETY SUPERVISOR	82971
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NONRESIDENT TRAINING COURSE (NRTC)

NAVEDTRA NUMBER

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NAME, RANK, RATE, CIVILIAN

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YOU SHOULD RETAIN THE TRAINING MANUAL AND THE ASSIGNMENT BOOKLET IF THEY ARE NOT CLASSIFIED. If CLASSIFIED, submit the material to your command for proper disposition of CLASSIFIED material. A letter of satisfactory completion will be issued to you after your last assignment is received and processed. This form should be included when you send in the last assignment. If the training manual and NRTC courses are designated with distribution statements B, C, D, E, F, or X, and you decide to dispose of the material, you must destroy the material to prevent disclosure of contents or reconstruction of the document.

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In the event of disenrollment, submit this form to the address below with any unused ADP answer sheets. You need not return any other course material. If the course material is CLASSIFIED, you must submit the material to your command for proper disposition of CLASSIFIED material. If the training manual and NRTC courses are designated with distribution statements B, C, D, E, F, or X, and you decide to dispose of the material, you must destroy the material to prevent disclosure of contents or reconstruction of the document.

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PRIVACY ACT STATEMENT

Under authority of Title 5, USC 301, information regarding your military status is requested to assist in processing your comments and prepare a reply. This information will not be divulged, without written authorization, to anyone other than those within DOD for official use in determining performance.

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STUDENT COMMENT SHEET

THIS FORM MAY BE USED TO SUGGEST IMPROVEMENTS, REPORT COURSE ERRORS, OR TO REQUEST HELP IF YOU HAVE DIFFICULTY COMPLETING THE COURSE.

Date \_\_\_\_\_

FROM: \_\_\_\_\_

SSN \_\_\_\_\_

NAME (Last, first, M.I.)  
RANK, RATE, CIVILIAN

STREET ADDRESS, APT #

ZIP CODE \_\_\_\_\_

CITY, STATE

To: COMMANDING OFFICER  
NETPMSA CODE 0318  
6490 SAUFLEY FIELD Rd  
PENSACOLA FL 32509-5237

Subj: NAVAL SAFETY SUPERVISOR, NAVEDTRA 82971

1. The following comments are hereby submitted:

PRIVACY ACT STATEMENT

Under authority of Title 5, USC 301, information regarding your military status is requested to assist in processing your comments and prepare a reply. This information will not be divulged, without written authorization, to anyone other than those within DOD for official use in determining performance.

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**DEPARTMENT OF THE NAVY**

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NAME \_\_\_\_\_ ADDRESS \_\_\_\_\_  
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RANK/RATE \_\_\_\_\_ SOC. SEC. NO. \_\_\_\_\_ City or FPO State Zip  
DESIGNATOR \_\_\_\_\_ ASSIGNMENT NO. \_\_\_\_\_

☐ USN ☐ USNR ☐ ACTIVE ☐ INACTIVE OTHER (Specify) \_\_\_\_\_ DATE MAILED \_\_\_\_\_

SCORE

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